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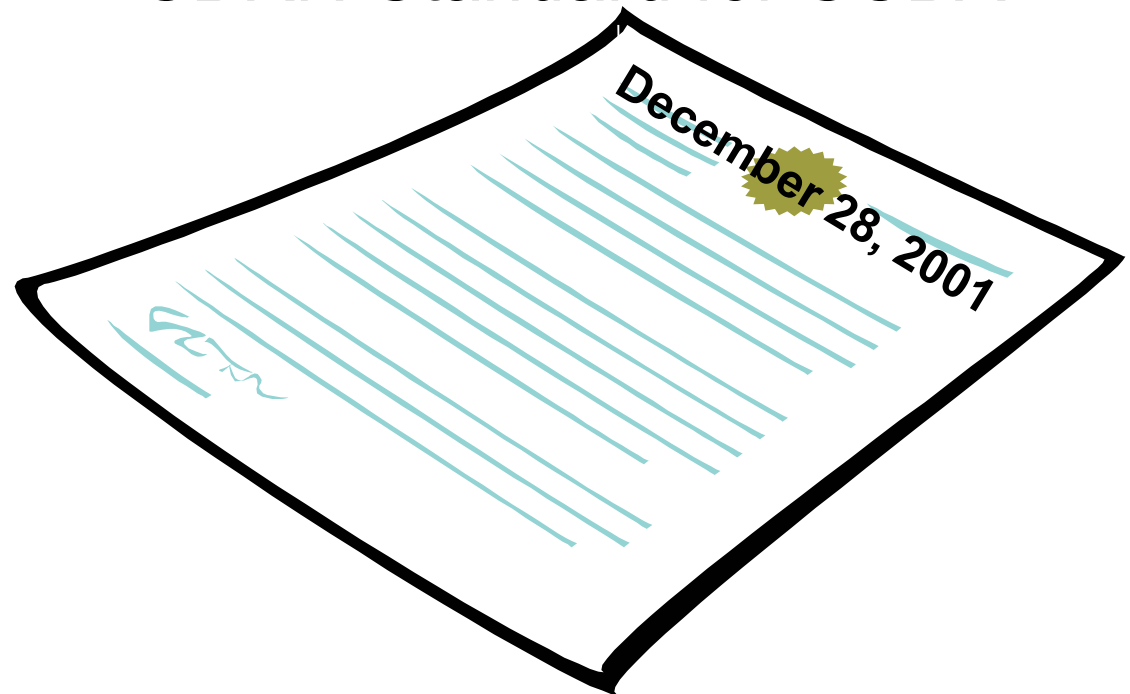
NIOSH Public Meeting

Proposed CBRN Full- Facepiece APR Standard



Lessons Being Learned

CBRN Standard for SCBA



NIOSH will follow a flexible program for test and evaluation of SCBA for a limited period of 1 year.

Lessons Being Learned

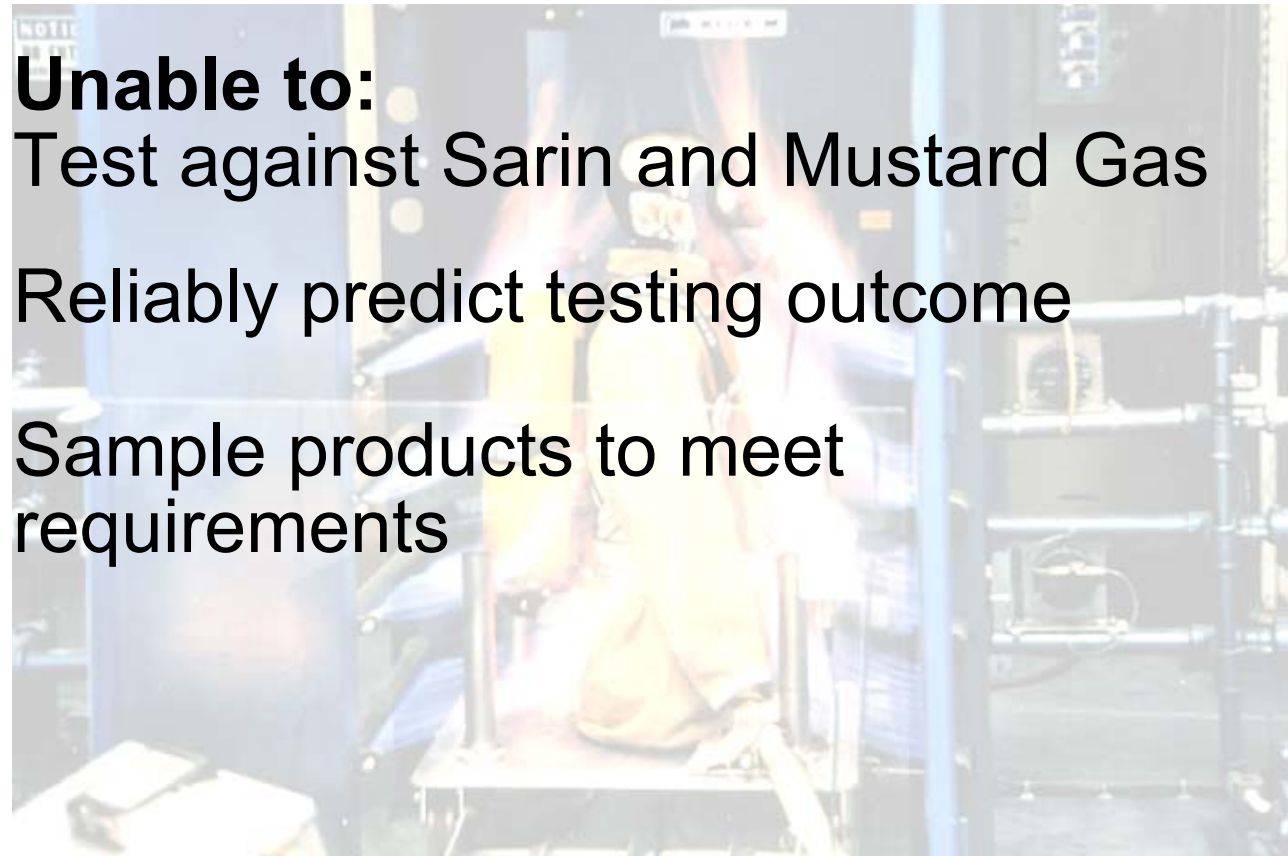
CBRN Standard for SCBA



Lessons Being Learned

CBRN Standard for SCBA

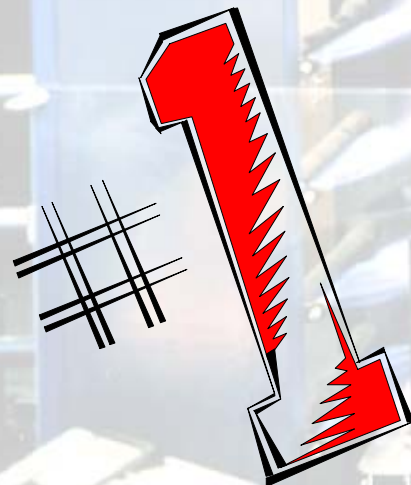
Unable to:
Test against Sarin and Mustard Gas
Reliably predict testing outcome
Sample products to meet requirements



Lessons Being Learned

CBRN Standard for SCBA

Identify & Recognize Surrogate Agents



Priority



Lessons Being Learned

CBRN Standard for SCBA



Identify & Recognize Surrogate Agents

Continue flexible SCBA CBRN approval process.

Follow a similar path for the CBRN full facepiece air purifying respirator standard.

A background image showing a demolition site. A large pile of debris, including wooden beams and metal structures, is visible on the left. A yellow excavator is positioned in the center, and a worker in a red hard hat and blue shirt is standing in the foreground on the left.

Lessons Being Learned

Publicly Validate Protocol

- Results and test repeatability must be trusted
- CBRN SCBA protocol was inadequately validated
- Thoroughly validate the process and publish the results

A background image showing a demolition site. A large pile of debris, including wooden beams and metal structures, is visible on the left. A yellow excavator is positioned in the center, and a worker in a red hard hat and blue shirt is standing in the foreground on the left.

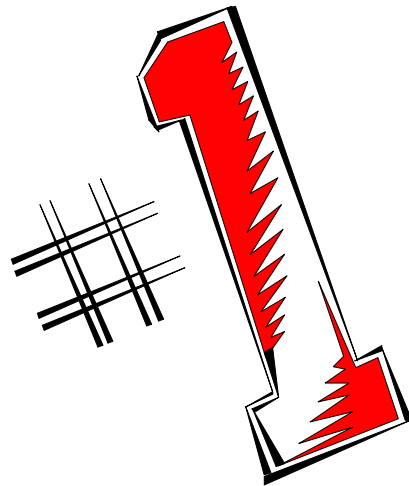
Lessons Being Learned

Opportunity to Comment

- Most likely use scenario and rationale behind conditions
- Avoid unacceptable market conditions

Proposed CBRN Full-Facepiece APR Standard

➤ **Identification and acceptance of surrogate agents**



Priority





Proposed CBRN Full-Facepiece APR Standard

✦ **NIOSH should not regulate interchangeability**

Section (6)(a)

Interchangeable consumable filter cartridges and canisters







Reflections on September 11th

- Transportation infrastructure in the United States was shut down
- PPE needs filled locally
- Improve availability by creating stockpiles
- 100,000 Respirators & 200,000 Cartridges shipped to WTC in first 48 hours
- Not a supply issue, logistic & training issue

Reflections on September 11th

- Multiple government agencies were taking responsibility
- Rescue workers did not know where to get the products
- Not familiar with product use and maintenance requirements
- Develop an emergency logistics program to address large-scale events



Proposed CBRN Full-Facepiece APR Standard

✘ **NIOSH should not regulate interchangeability**

- MSA fully supports the comments by the ISEA
- Respirator developed as a system
- Mixing manufacturer components will not provide the desired results

Proposed CBRN Full-Facepiece APR Standard

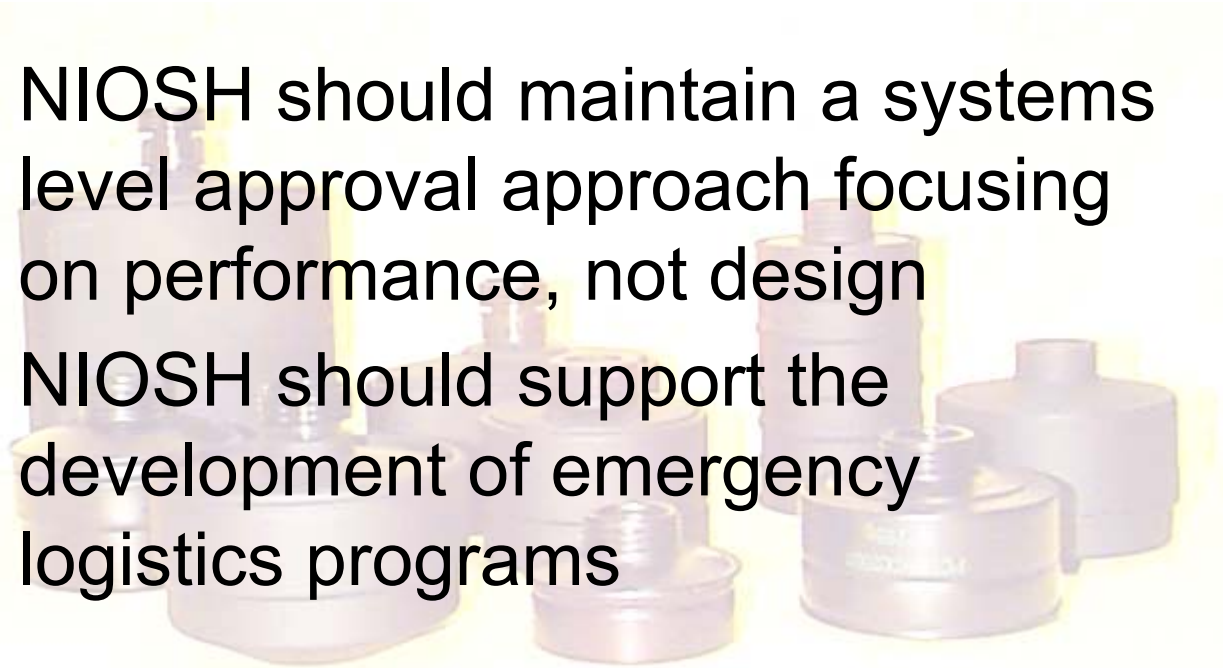
✖ **NIOSH should not regulate interchangeability**



Proposed CBRN Full-Facepiece APR Standard

✦ **NIOSH should not regulate interchangeability**

- NIOSH should maintain a systems level approval approach focusing on performance, not design
- NIOSH should support the development of emergency logistics programs



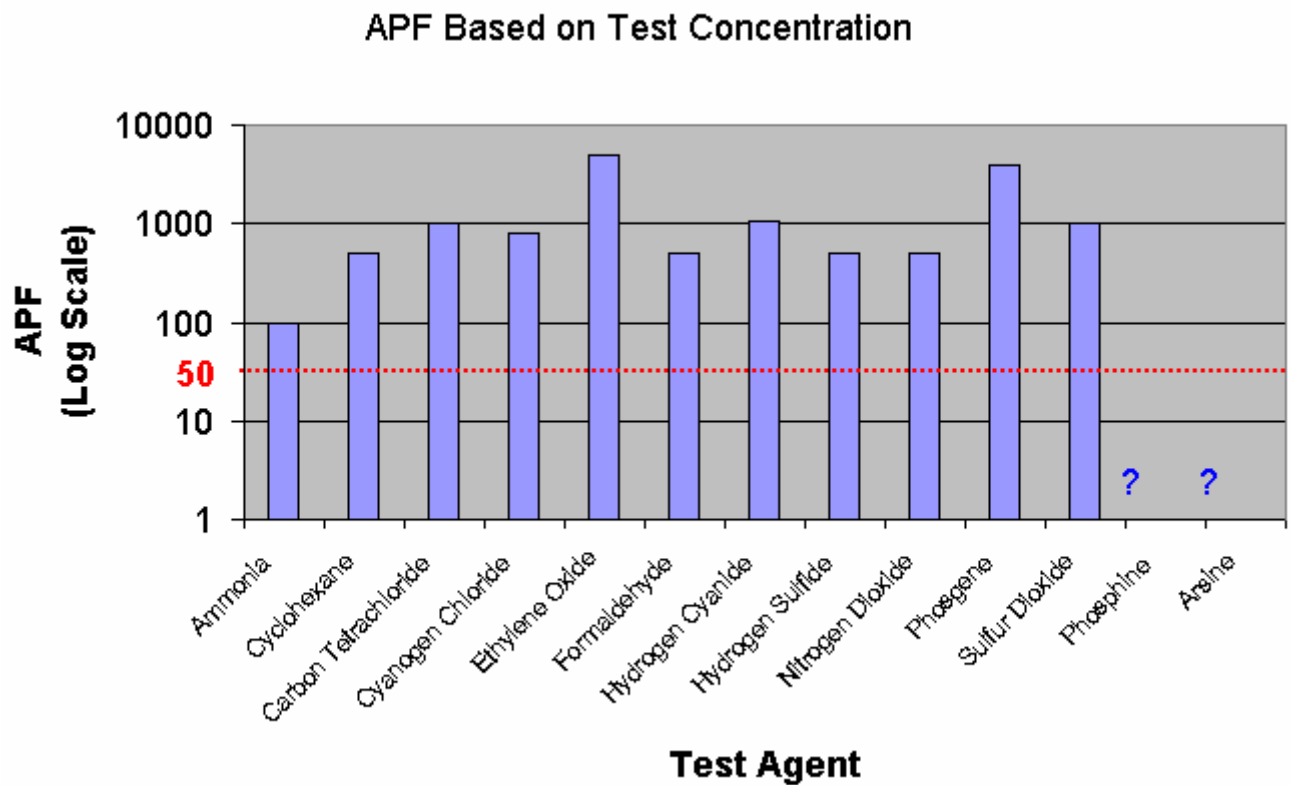
A background image showing a demolition site. A large pile of debris, including wooden beams and metal structures, is visible on the left. A yellow excavator is positioned in the center, and a worker in a red hard hat and blue shirt is standing in the foreground on the left.

Proposed CBRN Full-Facepiece APR Standard

- ❖ **NIOSH should not recommend or approve air-purifying respirators for entrance or use in IDLH or unknown atmospheres**
- Beyond accepted use conditions of Air Purifying Respirators
- Forces test concentrations beyond accepted Assigned Protection Factors

Proposed CBRN Full-Facepiece APR Standard

CBRN APR Concerns



A background image showing a demolition site. A large pile of debris, including wooden beams and metal structures, is visible. A yellow excavator is working on the debris. In the foreground, a worker wearing a red hard hat and a light blue shirt is standing near the excavator.

Proposed CBRN Full-Facepiece APR Standard

- ❖ **NIOSH should not recommend or approve air-purifying respirators for entrance or use in IDLH or unknown atmospheres**
- SCBA with chemically protective clothing are the only responsible recommendation

A background image showing a demolition site. A large pile of debris, including wooden beams and metal structures, is visible on the left. A yellow excavator is positioned in the center, and a worker wearing a red hard hat and blue pants is standing in the foreground, looking towards the excavator.

Proposed CBRN Full-Facepiece APR Standard

- ✘ **NIOSH should follow a formal rule making process**
- Details of the standard not final
- New respirator category worthy of a formal rule making process

A background image showing a demolition site. A large yellow excavator is positioned in the foreground, partially obscured by a massive pile of debris and rubble. A worker wearing a red hard hat and blue pants is visible in the lower left corner, standing near the excavator. The scene is dusty and chaotic, with various pieces of wood and metal scattered throughout.

Proposed CBRN Full-Facepiece APR Standard

- MSA supports the comments provided by the ISEA
- Recommend that NIOSH positions search for acceptable surrogates as their number one priority
- Maintain focus on performance requirements
- Do not approve any APR for entrance or use in IDLH or unknown atmospheres
- Follow formal rule making process



NIOSH Public Meeting

**Proposed CBRN
Full- Facepiece
APR Standard**